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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 02-793-C)

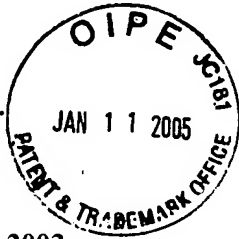
In the Application of:

Varghese John et al.

Serial No.: 10/658,959

Filing Date: September 10, 2003

For: Acetyl 2-Hydroxy-1,3-Diaminoalkanes



Examiner: TBA

Group Art Unit: 1625

TRANSMITTAL LETTER

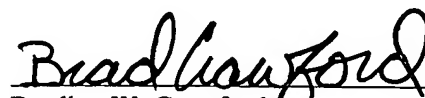
Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

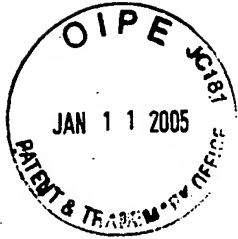
Dear Sir:

In regard to the above identified application,

1. We are transmitting herewith the attached:
  - a) Transmittal Letter in duplicate
  - b) Information Disclosure Statement (3 Sheets)
  - c) Information Disclosure Statement Form PTO-1449 (2 sheets)
  - d) 10 cited References
  - e) Return Receipt Postcard.
2. With respect to fees:
  - a) No Fees is required.
  - b) Please charge any underpayment or credit any overpayment our Deposit Account, No. 13-2490.
3. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the papers, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. box 1450, Alexandria, VA 22313-1450 on this 7<sup>th</sup> day of January, 2005.

Respectfully submitted,

  
Bradley W. Crawford  
Registration No. 50,494



# PATENT

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
(Case No. MBHB 02-793-C)

IN THE APPLICATION OF:

John, et al.

Serial No. 10/658,959

Filed: September 10, 2003

Title	Acetyl 2-hydroxy-1,3-diaminoalkanes
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Examiner: To Be Assigned

Group Art Unit: 1625

Confirmation No.: 3516

## INFORMATION DISCLOSURE STATEMENT

Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the duty of disclosure provided by 37 C.F.R. § 1.56 and §§ 1.97-98, the applicants wish to make the following references of record in the above-identified application. Copies of the references are enclosed. The cited international search report was issued in the corresponding PCT application. All references cited within the international search report are of record in this application. Copies of all references cited are also listed in the PTO-1449 form enclosed herewith. It is requested that each document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to

be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

Portions of the references may be material to the examination of the pending claims, however no such admission is intended. 37 C.F.R. 1.97 (h). The references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references. This Statement is not a representation that the cited references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. sections 102 or 103.

#### **CITED REFERENCES**

##### **U.S. Patent Documents**

<b><u>Ref. Des.</u></b>	<b><u>Document Number</u></b>	<b><u>Date</u></b>	<b><u>Name</u></b>
A1	6,150,530	11/21/00	Kempf, et al.
A2	6,150,416	11/21/00	Kick, et al.
A3	5,892,052	04/06/99	Kempf, et al.
A4	5,877,399	03/02/99	Hsiao, et al.
A5	5,877,015	03/02/99	McLonlogue, et al.
A6	5,850,003	12/15/98	McLonlogue, et al.
A7	5,811,633	09/22/98	Wadsworth, et al.
A8	5,766,846	06/16/98	Schlossmacher, et al.
A9	5,720,936	02/24/98	Wadsworth, et al.
A10	5,696,270	12/09/97	Kempf, et al.
A11	5,612,486	03/18/97	McConlogue, et al.
A12	5,387,742	02/07/95	Cordell

A13                      5,362,912                      11/08/94                      Sowin, et al.

### Foreign Patent Applications

<u>Ref. Des.</u>	<u>Document Number</u>	<u>Date</u>	<u>Country</u>
B1	00/17369	03/30/00	WO

### Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

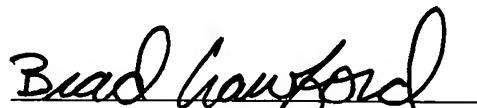
- C1    International Search Report from PCT/US03/28503
- C2    HALL, ET AL., A Simple Method for Converting Nitriles to Amides. Hydrolysis with Potassium Hydroxide in tert-Butyl Alcohol; *J. Org. Chem.*, 41, No. 23., 3769-3770 (1976)
- C3    GAMES ET AL., Alzheimer-type neuropathology in transgenic mice overexpressing V717F  $\beta$ -Amyloid precursor protein; *Letters to Nature*; 373, No. 6514 (1995)
- C4    KANG ET AL., Synthesis of 1,4-diaminocyclitols From L-Serine Methyl Ester; *J. Org. Chem.* 61, 5528-5531 (1996)
- C5    BENEDETTI, ET AL., Versatile and Stereoselective Synthesis of Diamino Diol Dipeptide Isosteres, Core Units of Pseudopeptide HIV Protease Inhibitors; *J. Org. Chem.* 62, 9348-9353 (1997)
- C6    ZUCCARELLO, ET AL.; HIV-1 Protease Inhibitors Based on Acyclic Carbohydrates; *J. Org. Chem.* 63, 4898-4906 (1998)
- C7    LEE, ET AL.; Development of a New Type of Protease Inhibitors, Efficacious against FIV and HIV Variants; *J. Am. Chem. Soc.*; 121, 1145-1155 (121)
- C8    ALBRIGHT AND DU; Synthesis of 1,4,5,6-Tetrahydropyrazolo[3,4-*d*]pyrido[3,2-*b*]azepine; *J. Heterocyclic Chem.*; 37, 41-46 (2000)
- C9    PING, ET AL.; The Study on HCMV Protease Inhibitors (I) Design and Liquid-phase Combinatorial Building Block Synthesis of Peptidomimetic Inhibitors; *Chinese Journal of medicinal Chemistry*; 11, No. 1, (2001)

Respectfully submitted,

**McDonnell Boehnen Hulbert & Berghoff**

Date: January 7, 2005

By:

  
Bradley W. Crawford  
Registration No. 50,494

FORM PTO-1449  
(Rev. 2-32)

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No.

02-793-C

Serial No.

10/658,959

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

Applicant:

John, et al.

Filing Date:

09-10-03

Group:

1625



U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	6,150,530	11/21/00	Kempf, et al.			
	6,150,416	11/21/00	Kick, et al.			
	5,892,052	04/06/99	Kempf, et al.			
	5,877,399	03/02/99	Hsiao, et al.			
	5,877,015	03/02/99	Hardy, et al.			
	5,850,003	12/15/98	McLonlogue, et al.			
	5,811,633	09/22/98	Wadsworth, et al.			
	5,766,846	06/16/98	Schlossmacher, et al.			
	5,720,936	02/24/98	Wadsworth, et al.			
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	5,387,742	02/07/95	Cordell			
	5,362,912	11/08/94	Sowin, et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	WO 00/17369	03/30/00	WO				

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).**

		HALL, ET AL., A Simple Method for Converting Nitriles to Amides. Hydrolysis with Potassium Hydroxide in tert-Butyl Alcohol; <i>J. Org. Chem.</i> , 41, No. 23., 3769-3770 (1976)
		GAMES ET AL., Alzheimer-type neuropathology in transgenic mice overexpressing V717F $\beta$ -Amyloid precursor protein; <i>Letters to Nature</i> ; 373, No. 6514 (1995)
		KANG ET AL., Synthesis of 1,4-diaminocyclitols From L-Serine Methyl Ester; <i>J. Org. Chem.</i> 61, 5528-5531 (1996)
		BENEDETTI, ET AL., Versatile and Stereoselective Synthesis of Diamino Diol Dipeptide Isosteres, Core Units of Pseudopeptide HIV Protease Inhibitors; <i>J. Org. Chem.</i> 62, 9348-9353 (1997)
		ZUCCARELLO, ET AL.; HIV-1 Protease Inhibitors Based on Acyclic Carbohydrates; <i>J. Org. Chem.</i> 63, 4898-4906 (1998)
		LEE, ET AL.; Development of a New Type of Protease Inhibitors, Efficacious against FIV and HIV Variants; <i>J. Am. Chem. Soc.</i> ; 121, 1145-1155 (121)
		ALBRIGHT AND DU; Synthesis of 1,4,5,6-Tetrahydropyrazolo[3,4-d]pyrido[3,2-b]azepine; <i>J. Heterocyclic Chem.</i> ; 37, 41-46 (2000)
		PING, ET AL.; The Study on HCMV Protease Inhibitors (I) Design and Liquid-phase Combinatorial Building Block Synthesis of Peptidomimetic Inhibitors; <i>Chinese Journal of medicinal Chemistry</i> ; 11, No. 1, (2001)
EXAMINER		DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.